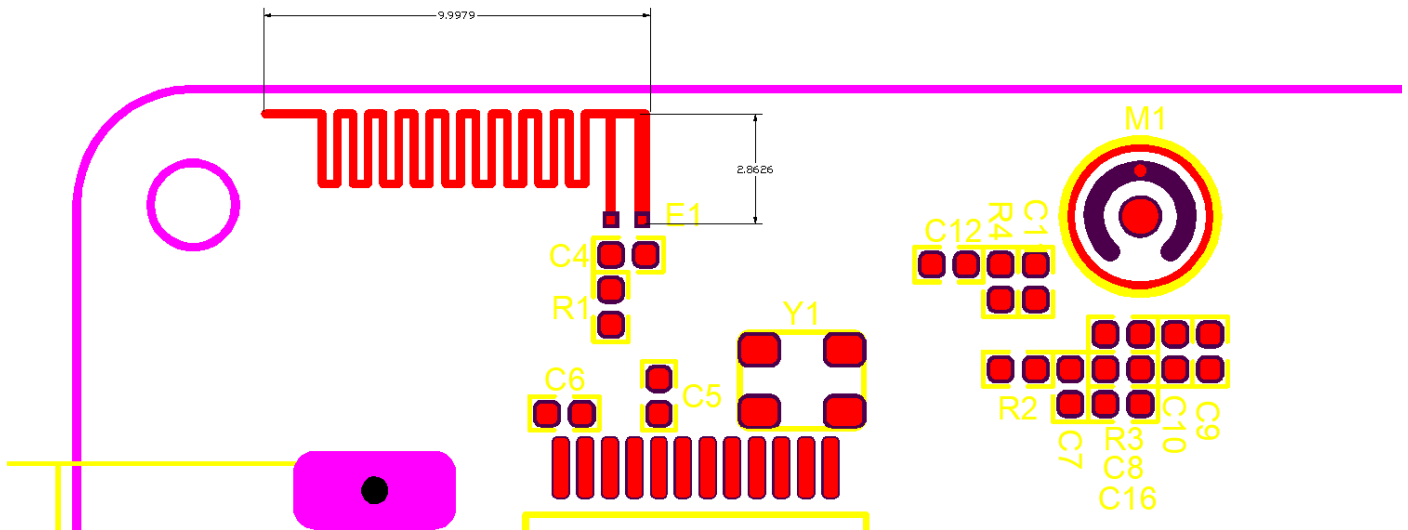


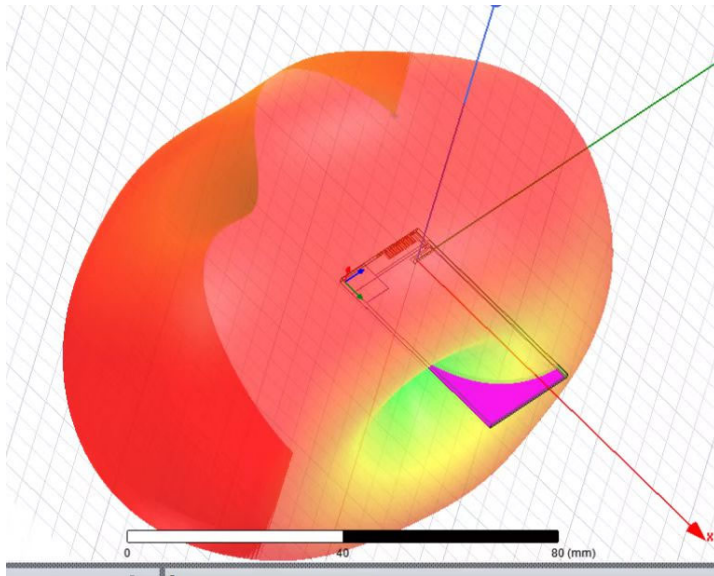
Antenna Specifications

1. Antenna location and size (mm) :



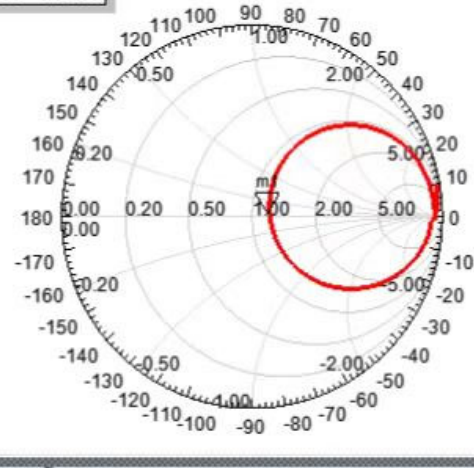
2. Antenna simulation Report:

1) Antenna and antenna radiation pattern:



2) Antenna radiation pattern and gain pattern::

Name	Freq	Ang	Mag	RX
m1	2.4436	13.4137	0.0942	1.2005 + 0.0530i



Name	X	Y
m1	2.4411	-20.5421
m2	2.4110	-9.6732
m3	2.4737	-10.0068

Terminal S Parameter Plot 2

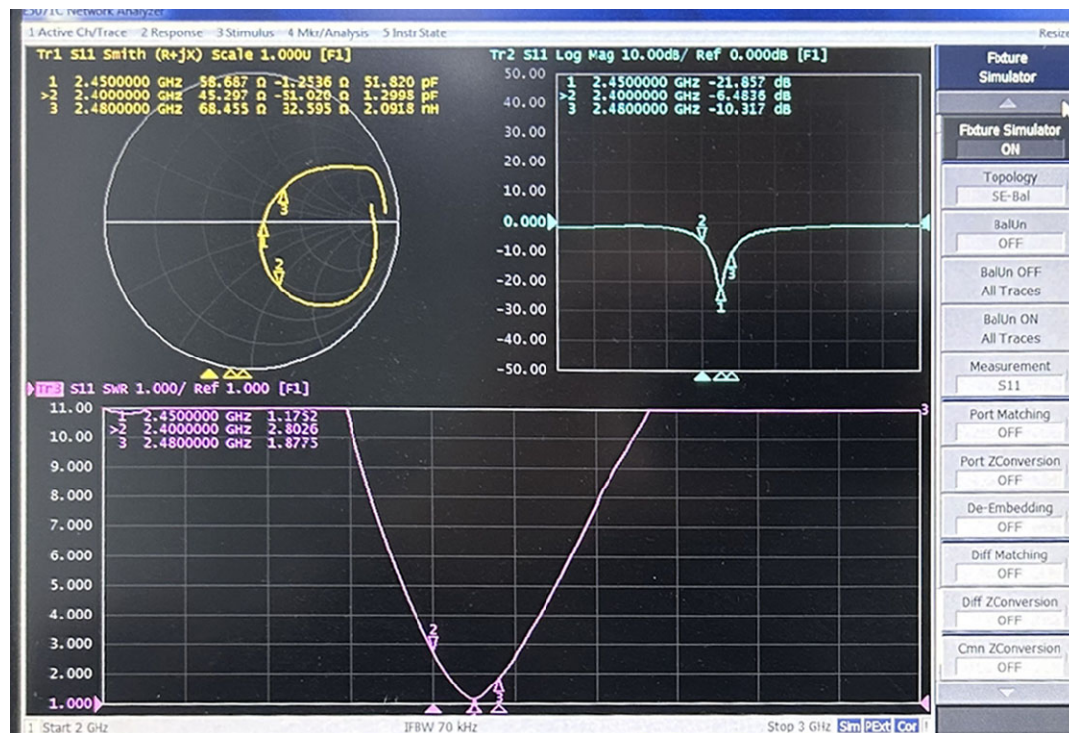
Curve Info
 — dB(S11(Rectangle9_T1, Rectangle9_T1))
 Setup1 : Sweep

dB(S11(Rectangle9_T1, Rectangle9_T1))

Freq [GHz]

3.Test Report:

Antenna Smithchart ,VSWR and Return Loss:



4.Basic Characteristics:

A.Electrical Characteristics:	
Frequency	2400~2500 MHz
S.W.R.	≤ 2.5 @2400~2500 MHz
Max.Gain	1.31 dBi @2400~2500 MHz
Efficiency	40~50% @2400~2500 MHz
Polarization	Linear
Impedance	50 Ohm
B.Material & Mechanical Characteristics:	
Material of Radiator	PCB
Cable Type	0.D.1.13 mm//112mm (gray)
Connector Type	NONE
Pull Test	/
C.Environmental:	
Operation Temperature	-40°C~+65°C
Storage Temperature	-40°C~+80°C

5.Gain and Efficiency:

frequency (GHz)	2.4	2.41	2.42	2.43	2.44	2.45	2.46	2.47	2.48	2.49	2.5
efficiency (%)	48.96	52.76	55.12	60.09	63.9	64.08	66.51	67.74	67.76	66.47	71.02
Gain (dBi)	1.03	1.18	2.07	1.12	1.2	0.98	1.23	1.2	1.22	1.2	1.23